

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Date:** January 19, 2006

**Inspector:** Diana Walden

**Location:** 115 kV Underground Route

**Storm/**

**Rain Event:** Approximately 1.97" of precipitation fell mostly in the form of rain over 1/13-1/14 with another 1.10" on precipitation on 1/18 as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Vault Openings and Trench Construction	- <b>Bethel Educational Park:</b> No active work was present. 1/19/06	-See erosion control section for specifics. 1/19/06
	- <b>Hoyts Hill Transition Structure:</b> No work at this time. 1/19/06	- None at this time. 1/19/06
<b>Gallows Hill Road and Rt. 107, Redding</b>	- The storage area near the Rt. 107 turn had been graded and placed with topsoil but we have recommendations here. 12/22-1/19/06	- See additional sections for more information. 12/22-1/19/06
<b>Rt. 58, Bethel</b>	-Similar grading/topsoil work had been completed at Sunset Hill Rd. storage. 12/22-1/19/06	- See additional sections for recommendations. 12/22-1/19/06
<b>Broad Street/ROW, Norwalk</b>	- A few materials were left behind along the side of the roadway but most areas were mulched prior to snow cover. 12/22-1/19/06	-General cleanup should be performed and the road surface is still fairly rough. 12/14-1/19/06
	- Work on the structure near the substation was complete and scaffolding was removed. 1/19/06	- See erosion control section for specifics. 1/19/06
<b>Main Ave. / Rt. 7, Norwalk</b>	-115kV work associated with the structure at Norwalk Junction is complete and scaffolding was removed. 1/19/06	- If work returns, coordinate snow plowing issues with other contractors . 1/19/06

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- Both portions of the ROW remain fairly rutted under the partial snow cover. 12/1-1/19/06	-Ruts should be repaired and straw mulch should be placed when access needs are complete. Snow and thaw periods are now a factor.12/8-1/19/06
<b>Bethel Educational Park</b>	-The small, typical washout/gully areas remain on both portions. 12/8-1/19/06	
<b>Hoyts Hill Riser Transition Structure (Off Rt. 58)</b>	- This site is complete but equipment access had created additional ruts along the sides of the drive in the mud. 11/23-1/19/06	-Check status in the spring. Provide repair and straw mulch/seed if necessary. 1/19/06
<b>Route 58</b>	- A few areas of bare soil had remained around some of the recently accessed vaults.1/4-1/19/06	-Plan to return and restore the edge of roadway in the spring if necessary. 1/4-1/19/06
	- Controls at the Putnam Park storage area are in good shape. 1/19/06	- None at this time. Controls should remain at this site until the growing season. 1/19/06
	-The status of the Sunset Hill Rd. storage area deteriorated following the rains. Gullies and erosion were noted across the yard and sedimentation occurred directly to the swale. 1/19/06	-Erosion controls will be installed early the following week. The yard should be mulched with straw. Soil in the swale is now significant along and down stream from the entire yard. It will need to be carefully shoveled out of the swale by hand ASAP to avoid further dispersal. 1/19/06
<b>Gallows Hill Road</b>	-The area is well stabilized. 1/19/06	- None at this time 1/19/06
<b>Rt. 107 (Lonetown Rd)</b>	- Minor erosion and rills were noted at the storage area south of the 90 degree turn on Rt. 107. Some sedimentation had occurred along the base of the slope following the rains. 1/19/06	- Erosion controls will be installed early the following week to prevent sedimentation to the wetland. The yard should be mulched with straw. 1/19/06
<b>Broad Street and ROW, Norwalk</b>	- A disturbed area near the cemetery could use some mulch if feasible. 12/8-1/19/06	- Any leftover materials should also be picked up. 12/14-1/19/06
	- The ROW was muddy and heavily rutted due to equipment access. 1/19/06	- Keep silt fence in good repair until the area is stabilized and the bike path constructed. 1/19/06
	-Clean process remains in one pile	- All soils appear to be

Areas of Inspection	Observation	Recommended Action
Soils	at the Putnam Park storage area. 12/22-1/19/06	handled appropriately. 12/22-1/19/06
Adjacent Wetlands and Waterways	-The stream near Sara's Way off Rt. 58 remains clear. Recent rains appeared to create some natural erosion 1/19/06	- None at this time. Continue to monitor for final vegetative stabilization. 1/19/06
Staging, Storage, and Parking Areas	- The Sunset Hill Rd. and Rt. 107 storage yards have been graded and placed with topsoil and are no longer in use. However, the amount of disturbed soil left behind warrants additional attention. 12/22-1/19/06  - See the erosion control section for issues here. 1/19/06	- Since disturbed soil remains and there is no chance of re-vegetation until the growing season, we recommend haybales or other erosion controls. The areas were not mulched prior to pulling the silt fence. 1/19/06 - Erosion controls will be installed early next week. 1/19/06
State species of concern, threatened and endangered species	- No species of concern are located in the areas of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	- Any bare or rut areas should be re-restored when feasible although snow cover will now be a factor. 12/8-1/19/06	-Restore within D&M timelines. 1/19/06.
Dewatering	- Dewatering does not appear to be necessary any longer. 1/19/06	-None at this time. 1/19/06
Blasting	- No blasting is occurring in any areas at this time.	- None at this time.
Spills and Material Storage	- A report of any leaks or spills that reach the ground and occur during the week should be provided to BSC from internal project inspectors 6/15-1/19/06	- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis and keep spill kits on hand. Report spills immediately, even if they are being controlled.

Areas of Inspection	Observation	Recommended Action
		<ul style="list-style-type: none"><li>- The contractors should remain vigilant about securing and handling fuel and material containers.</li><li>- Equipment and materials should not be stored in wooded areas unless it is designated for storage.</li></ul>

**Next likely scheduled inspection:**

Thursday, January 26, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:**

Diana Walden



**115kV (ROW and Norwalk Junction):** Photo on the left –background- shows a view of the structure adjacent to the Norwalk substation. Photo on the right shows a view of the structure at Norwalk Junction. Scaffolding was removed from both and work was complete. 1/19/06



**115kV (Rt. 107):** Both photos show views of the Rt 107 turn storage area. Rains created some erosion and rills and some slight sedimentation was noted along the base of the slope. The area will be placed with silt fence or haybales early the following week. 1/19/06





**115kV (Rt.58). Photo on the left shows Putnam Park with erosion controls in good shape. Photo on the right shows the Sunset Hill Rd. storage area. The recent rains caused erosion in the yard and sedimentation to the adjacent swale. Silt fence will also be installed here early next week. 1/19/06**



**Photo on the left shows some of the gullies created across the yard by run-off. Photo on the right shows deposits of the sediment within the swale. We also recommend that the swale be cleaned up by hand ASAP to avoid further dispersal of the soil. 1/19/06**